

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
11 December 2003 (11.12.2003)

PCT

(10) International Publication Number
WO 03/102793 A1

(51) International Patent Classification⁷: **G06F 13/38**,
H04M 11/06

(21) International Application Number: PCT/EP03/50206

(22) International Filing Date: 28 May 2003 (28.05.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
02447103.9 3 June 2002 (03.06.2002) EP

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(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,

CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SI, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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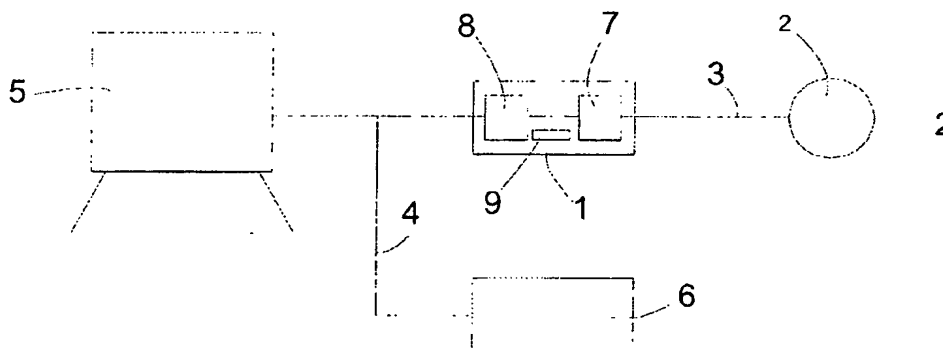
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(54) Title: DSL MODEM AND METHOD FOR ESTABLISHING A DATA TRANSFER MODE THEREFORE



(57) Abstract: A modem (1) for interconnecting a DSL line (3) and a local bus (4) comprises a DSL interface (7) adapted to send and receive data on the DSL line (3) at a DSL bandwidth selected from a first set of bandwidths, and a local bus interface (8) adapted to operate at a local bus bandwidth selected from a second set of bandwidths so as to match the DSL bandwidth. In a first operating mode, the modem reserves as much as possible of a predetermined local bus bandwidth (MAXUSB) and then synchronizes the DSL line to a matching mode. In a second operating mode, the modem synchronizes the DSL line to a predetermined bandwidth and then reserves a matching local bus bandwidth or, if impossible, adopts a bulk transfer mode.

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 03/50206

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G06F13/38 H04M11/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G06F H04M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 102 171 A (TEXAS INSTRUMENTS INC) 23 May 2001 (2001-05-23) abstract paragraph '0079! - paragraph '0080! paragraph '0042! - paragraph '0046! paragraph '0067! - paragraph '0069! -----	1-19
A	US 6 021 129 A (LAUFFENBURGER KENNETH A ET AL) 1 February 2000 (2000-02-01) abstract column 7, line 47 - line 61 column 5, line 40 - column 6, line 9 -----	1-19

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☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

6 November 2003

Date of mailing of the international search report

13/11/2003

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Information on patent family members

International Application No

PCT/EP 03/50206

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1102171	A	23-05-2001	EP 1102171 A2	23-05-2001
			JP 2001318876 A	16-11-2001
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			WO 0054546 A1	14-09-2000